

Earth Observing System

(NASA's) Earth Science Enterprise, a long-term global change research program designed to improve our understanding of the Earth's interrelated processes involving the atmosphere, oceans, land surfaces, and polar regions. Data derived from EOS instruments and other Earth science measurement systems are particularly useful in understanding the causes and processes of global climate change and the consequences of human activities. The Earth Observing System (EOS) is in integral part of the National

services to support the global change research community. Data products are available through the EOS Data Gateway (EDG) search-and-order system and DAAC-specific ordering systems. Additional means of access will become available as the structure for data management and user services for more than 1,200 current NASA Earth science data products and will handle future data from a series of EOS instruments spanning the next two decades. Within the EOSDIS framework, the Distributed Active Archive Centers (DAACs) are responsible for providing The EOS Data and Information System (EOSDIS) provides

EOS Data Gateway Search-and-Order System

sets and detailed descriptions of the data inventory, view thumbnail (browse) images, and place orders for data products. It is suitable for a wide range of Earth science data users—from users with limited computer resources interested in performing occasional simple searches for data, to the professional Earth science researcher in need of executing complex data queries on a regular basis. No password or This search-and-order system provides a consistent view of data products held at the DAACs and other cooperating data centers, allowing users without specific knowledge of the data to search science data holdings, retrieve high-level descriptions of data accessible via the Web at is necessary. This service is

Searching & Ordering

attribute, and time range may optionally be used. EDG searches on data sets and documents. Search options include a primary data search, a quick data set lookup, and two document searches. geographic areas of interest along with either geophysical parameter, data set name, or sensor name. Several other criteria such as source name, campaign, extended A search is done by specifying

that are available for request from a data center. The **Primary Data** search provides descriptions of specific bservations or collections of observations of data (granules)

string or a common
first step in the search-and-order process. The **Data Set Lookup** feature lets a user type in a simple text string or a common term to quickly obtain a list of data sets as a

The **Summary Document** search provides summary information about EOSDIS data sets to help the user determine appropriate data products. The information is derived from the Global Change Master Directory (GCMDI), a comprehensive directory of Earth science and global change data. (The GCMD can be accessed directly at http://gcmd.nasa.gov.)

The **Detailed Document** search provides detailed descriptions for one or more data sets and related entities. The information is helpful for determining the location and content each data set and its potential usefulness for a specific application, namely, data sources, instruments, projects, and data centers that archive and distribute the data.

When the search results are returned, summary and detailed descriptions are provided. Sample browse images are also provided for many data sets. A variety of media and formatting options are available dependi set. Some data are restricted to registered researchers. ng on the data

For assistance or more information on searching and ordering, contact the EDG Science Support Team via E-mail at edg@killians.gstc.nasa.gov, or contact any of the DAACs.

http://eos.nasa.gov/imswelcome

Distributed Active Archive Centers NASA's

ASF DAAC

Synthetic Aperture Radar (SAR) and Polar Processes Alaska SAR Facility

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EDC DAAC

Web: http://www.asf.alaska.edu

and Processes Earth Resources Observation Systems (EROS) Data Center

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GSFC DAAC

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Foddard Space Flight Center

Upper Atmosphere, Atmospheric Dynamics, Hydrology, Global Precipitation, Global Biosphere

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LaRC DAAC

Langley DAAC User Services Radiation Budget, Clouds, Aerosols, Tropospheric Chemistry Langley Research Center

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NSIDC DAAC

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Snow and Ice, Cryosphere and Climate National Snow and Ice Data Center

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CIESIN at Columbia University SEDAC User Services Human Interactions in the Environment Socioeconomic Data and Applications Center

Cooperating **Data Centers**

Global Hydrology Resource Center Marshall Space Flight Center Global Hydrology

GHRC User Services Global Hydrology and Climate Center 320 Sparkman Drive Huntsville, AL 35806 USA Phone: +1 256-961-7932 Fax: +1 256-961-7859 E-mail: ghrc@eos.nasa.gov Web: http://ghrc.msfc.nasa.gov/

ORNL DAAC

To display key outside the globe, insert round end of key from other side

through this slot, then bend wings out

to lock in place.

To store key insid

square end of I

ide the globe, insert key from this side.

To hang, insert string or unfolded

paperclip through hole in key.

Ecology Biogeochemical Dynamics, Terrestrial Oak Ridge National Laboratory

Web: http://www.daac.ornl.gov E-mail: ornl@eos.nasa.gov Phone: +1 865-241-3952; Fax: +1 865-574-4665 P.O. Box 2008 MS 6407, Bldg. 1507 Oak Ridge, TN 378316407 USA Oak Ridge National Laboratory ORNL DAAC User Services

Weather and Climate Records National Climatic Data Center (NCDC)

Web: http://www.saa.noaa.gov/

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151 Patton Avenue Asheville, NC 28801-5001 USA Phone: +1 828-271-4850; Fax: +1 828-271-4876

NOAA SAA User Services NOAA/NCDC

Weather and Climate

Satellite Active Archive (SAA)

NOAA
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Administration Web: http://nndc.noaa.gov/ **NOAA Data Centers**

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Solar, Marine, and Terrestrial Geophysical Information and National Geophysical Data Center (NGDC) aleodimatological Data

NOAA NGDC User Services Mail Code E/GC4

Boulder, CO 80303 USA Phone: +1 303-497-6826; Fax: +1 303-497-6513 E-mail: into@ngdc.noaa.gov Web: http://www.ngdc.noaa.gov/

National Oceanographic Data Center (NODC)
Physical, Chemical, and Biological Oceanic Data

NOAA NODC User Services

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